

Top 10 Global Innovators

Company / University	Country	# Inventions/ Papers**	Relative Citation Impact	Industry
State Grid Corp China	China	7479		Information Technology
Canon	Japan	6,370		Information Technology
Samsung	S Korea	5,792		Information Technology
IBM	US	4,205		Information Technology
Ricoh	Japan	3,539		Information Technology
Google	US	3,164		Information Technology
Huawei	China	2,799		Information Technology
Lenovo	China	2,798		Information Technology
LG	S Korea	2,521		Information Technology
Tencent Technology Shenzhen	China	2,418		Information Technology
Technical University of Czestochowa	Poland	362	4.25	Information Technology
Wellcome Trust Sanger Institute	UK	392	4.25	Information Technology
European Molecular Biology Lab	Germany	675	3.8	Information Technology
Stanford University	US	5,107	2.77	Information Technology
California Institute of Technology	US	1,976	2.76	Information Technology
Ecole Normale Supérieure, Paris	France	721	2.7	Information Technology
Massachusetts Institute of Technology	US	6,287	2.67	Information Technology
University of California Berkeley	US	4,804	2.6	Information Technology
University of California Los Angeles	US	3,627	2.56	Information Technology
University of South Wales	UK	339	2.53	Information Technology
Samsung	S Korea	4,132		Telecommunications
Huawei	China	3,496		Telecommunications
LG	S Korea	2,795		Telecommunications
State Grid Corp China	China	2,585		Telecommunications
ZTE Corp	China	1,960		Telecommunications
Qualcomm	US	1,841		Telecommunications
Ericsson	Sweden	1,424		Telecommunications
Sony	Japan	1,129		Telecommunications
NTT	Japan	1,129		Telecommunications
Fujitsu	Japan	1,087		Telecommunications
Rice University	US	323	4.68	Telecommunications
University of California Berkeley	US	792	3.25	Telecommunications
University of Texas Austin	US	1,130	2.85	Telecommunications
New York University	US	432	2.77	Telecommunications
Swiss Federal Institute of Technology Zurich	Switzerland	723	2.76	Telecommunications
Carnegie Mellon University	US	762	2.7	Telecommunications

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State University of New York Stony Brook	US	339	2.67	Telecommunications
Illinois Institute of Technology	US	530	2.59	Telecommunications
Princeton University	US	650	2.53	Telecommunications
Microsoft	US	700	2.35	Telecommunications
Samsung	S Korea	4,144		Semiconductors
BOE Technology Group	China	2,900		Semiconductors
LG	S Korea	2,884		Semiconductors
Shenzhen China Star Optoelectronics Tech	China	1,701		Semiconductors
Toshiba	Japan	1,521		Semiconductors
Taiwan Semiconductor Mfg Co	Taiwan	1,424		Semiconductors
Semiconductor Mfg. Int. Shanghai Corp	China	1,405		Semiconductors
IBM	US	969		Semiconductors
SK Hynix	S Korea	873		Semiconductors
Oceans King Lighting Science & Technology	China	872		Semiconductors
Chinese Academy of Sciences	China	7,121		Semiconductors
Russian Academy of Sciences	Russia	3,566		Semiconductors
University of Tokyo	Japan	2,092		Semiconductors
CNRS	France	1,956		Semiconductors
Tohoku University	Japan	1,700		Semiconductors
Osaka University	Japan	1,695		Semiconductors
University of California Berkeley	USA	1,684		Semiconductors
Nanyang Technological University	Singapore	1,624		Semiconductors
National Chiao Tung University	Taiwan	1,504		Semiconductors
Tokyo Institute of Technology	Japan	1,334		Semiconductors
Toyota	Japan	4,214		Automotive
Hyundai	S Korea	2,469		Automotive
Bosch	Germany	2,390		Automotive
Denso	Japan	2,169		Automotive
Honda	Japan	2,039		Automotive
Ford	US	1,837		Automotive
Daimler	Germany	1,575		Automotive
GM	US	1,435		Automotive
Beiqi Foton	China	1,223		Automotive
Nissan	Japan	1,188		Automotive
University of Michigan	US	292		Automotive
Ford Motor Company	US	209		Automotive

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Polytechnic University of Turin	Italy	187		Automotive
Technical University of Munich	Germany	173		Automotive
Shanghai Jiao Tong University	China	161		Automotive
Indian Institute of Technology System	India	158		Automotive
Ohio State University	US	151		Automotive
RWTH Aachen	Germany	135		Automotive
Chalmers University of Technology	Sweden	134		Automotive
Seoul National University	S Korea	131		Automotive
United Technologies Corp	US	716		Aerospace & Defense
State Grid Corp of China	China	715		Aerospace & Defense
Airbus Operations	France	620		Aerospace & Defense
Jiangxi Hongdu Aviation Ind Group Co Ltd	China	617		Aerospace & Defense
Boeing	US	531		Aerospace & Defense
General Electric	US	424		Aerospace & Defense
LG	S Korea	392		Aerospace & Defense
Siemens	Germany	387		Aerospace & Defense
Toyota	Japan	360		Aerospace & Defense
Hyundai	S Korea	334		Aerospace & Defense
University of Michigan System	US	468	1.95	Aerospace & Defense
United States Department of Energy	US	372	1.43	Aerospace & Defense
Delft University of Technology	Netherlands	414	1.33	Aerospace & Defense
University of Texas Austin	US	333	1.32	Aerospace & Defense
Centre National de la Recherché Scientifique (CNRS)	France	551	1.25	Aerospace & Defense
Goddard Space Flight Center	US	465	1.22	Aerospace & Defense
University of Florida	US	312	1.21	Aerospace & Defense
US Air Force Research Laboratory	US	512	1.19	Aerospace & Defense
Pennsylvania State University	US	403	1.18	Aerospace & Defense
Pennsylvania Commonwealth System of Higher Education	US	445	1.18	Aerospace & Defense
Midea Group	China	5,427		Home Appliances
Zhuhai Gree Electric Appliances	China	1,995		Home Appliances
Haier Group	China	1,315		Home Appliances
Panasonic	Japan	949		Home Appliances
Mitsubishi Electric	Japan	948		Home Appliances
Samsung	S Korea	736		Home Appliances
BSH Hausgeräte	Germany	697		Home Appliances
LG	S Korea	690		Home Appliances

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Hitachi Kuko System	Japan	460		Home Appliances
Daikin Kogyo	Japan	446		Home Appliances
University of Zaragoza	Spain	113		Home Appliances
University of California Berkeley	US	63		Home Appliances
National Cheng Kung University	Taiwan	53		Home Appliances
Chinese Academy of Sciences	China	44		Home Appliances
Tsinghua University	China	43		Home Appliances
Polytechnic University of Milan	Italy	40		Home Appliances
Waseda University	Japan	36		Home Appliances
University of Tokyo	Japan	35		Home Appliances
Tohoku University	Japan	35		Home Appliances
Kyoto University	Japan	33		Home Appliances
DuPont	US	407		Biotechnology
University of Jiangnan	China	287		Biotechnology
Monsanto	US	229		Biotechnology
Roche	Switzerland	203		Biotechnology
University of Zhejiang	China	200		Biotechnology
Rural Development Administration	S Korea	191		Biotechnology
University of California	US	184		Biotechnology
Centre National de la Recherché Scientifique (CNRS)	France	166		Biotechnology
Lanzhou Veterinary Res Inst China Agric	China	165		Biotechnology
Institut National de la Santé et de la Recherché Médicale	France	160		Biotechnology
Broad Institute	US	485	7.43	Biotechnology
European Molecular Biology Lab	Germany	801	4.46	Biotechnology
Massachusetts Institute of Technology	US	1,556	4.25	Biotechnology
Wellcome Trust Sanger Institute	UK	755	4.11	Biotechnology
Howard Hughes Medical Institute	US	913	4.1	Biotechnology
Memorial Sloan Kettering Cancer Center	US	375	3.26	Biotechnology
Harvard University	US	3,288	3.07	Biotechnology
Lawrence Berkeley National Lab	US	623	3.03	Biotechnology
Dana-Farber Cancer Institute	US	425	2.9	Biotechnology
VA Boston Healthcare System	US	594	2.89	Biotechnology
Sinopec	China	1,991		Oil & Gas
Petrochina	China	1,982		Oil & Gas
Halliburton	US	940		Oil & Gas
China National Offshore Oil	China	455		Oil & Gas

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Schlumberger	US	378		Oil & Gas
Baker Hughes	US	288		Oil & Gas
PRAD Research & Development	US	272		Oil & Gas
University of China Petroleum	China	239		Oil & Gas
Toyota	Japan	219		Oil & Gas
Tatneft Stock	Russia	189		Oil & Gas
Imperial College London	UK	119	4.57	Oil & Gas
United States Department of Energy	US	102	2.89	Oil & Gas
Stanford University	US	191	2.65	Oil & Gas
University of Texas Austin	US	339	2.09	Oil & Gas
Delft University of Technology	Netherlands	108	1.93	Oil & Gas
Norwegian University of Science & Technology	Norway	149	1.81	Oil & Gas
Tallinn University of Technology	Estonia	170	1.72	Oil & Gas
Heriot Watt University	UK	154	1.63	Oil & Gas
Texas A&M University	US	338	1.52	Oil & Gas
University of Oklahoma	US	176	1.5	Oil & Gas
China Tobacco Hubei Ind Corp	China	1122		Food, Beverage & Tobacco
Qingdao Xiuxian Foods Co.	China	165		Food, Beverage & Tobacco
Philip Morris	US	121		Food, Beverage & Tobacco
University of Guangxi	China	118		Food, Beverage & Tobacco
Inst Agro Food Science & Technology Chinese	China	114		Food, Beverage & Tobacco
University of Jiangnan	China	114		Food, Beverage & Tobacco
University of Zhejiang Ocean	China	104		Food, Beverage & Tobacco
Hefei Bulaochuanqi Health Science & Technology	China	87		Food, Beverage & Tobacco
Wuhu Hongyang Food	China	72		Food, Beverage & Tobacco
Anhui Xianzhiyuan Food	China	69		Food, Beverage & Tobacco
University of British Columbia	Canada	431	1.93	Food, Beverage & Tobacco
University of Lleida	Spain	583	1.88	Food, Beverage & Tobacco
Polytechnic Institute of Braganca	Portugal	316	1.79	Food, Beverage & Tobacco
University of Massachusetts System	USA	824	1.73	Food, Beverage & Tobacco
Nanchang University	China	415	1.66	Food, Beverage & Tobacco
Dresden University of Technology	Germany	362	1.63	Food, Beverage & Tobacco
Rovira I Virgili University	Spain	343	1.57	Food, Beverage & Tobacco
University of Melbourne	Australia	306	1.55	Food, Beverage & Tobacco
University of Barcelona	Spain	518	1.55	Food, Beverage & Tobacco
VTT Technical Research Centre of Finland	Finland	314	1.54	Food, Beverage & Tobacco

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LG Household & Healthcare	S Korea	315		Cosmetics & Wellbeing
L'Oreal	France	314		Cosmetics & Wellbeing
Kao	Japan	214		Cosmetics & Wellbeing
Henkel	Germany	154		Cosmetics & Wellbeing
P&G	US	144		Cosmetics & Wellbeing
AmorePacific	S Korea	125		Cosmetics & Wellbeing
Aesthetic Beijing Technology Co	China	87		Cosmetics & Wellbeing
Unilever	Netherlands	75		Cosmetics & Wellbeing
Beiersdorf	Germany	73		Cosmetics & Wellbeing
Kose	Japan	70		Cosmetics & Wellbeing
University of Sao Paulo	Brazil	177		Cosmetics & Wellbeing
US FDA	US	108		Cosmetics & Wellbeing
Procter & Gamble	US	103		Cosmetics & Wellbeing
Cosmetic Ingredient Review	US	102		Cosmetics & Wellbeing
Seoul National University	S Korea	88		Cosmetics & Wellbeing
Harvard University	US	83		Cosmetics & Wellbeing
Chinese Academy of Sciences	China	81		Cosmetics & Wellbeing
State University of Campinas	Brazil	78		Cosmetics & Wellbeing
University of California Los Angeles	US	70		Cosmetics & Wellbeing
University of California San Francisco	US	68		Cosmetics & Wellbeing
Olympus Optical	Japan	818		Medical Devices
Siemens	Germany	638		Medical Devices
Toshiba	Japan	627		Medical Devices
Fourth Military Medical University	China	623		Medical Devices
Samsung	S Korea	526		Medical Devices
Terumo	Japan	482		Medical Devices
Philips	Netherlands	479		Medical Devices
Canon	Japan	473		Medical Devices
Medtronic	US	362		Medical Devices
Covidien	US	358		Medical Devices
US FDA	US	219		Medical Devices
Harvard University	US	190		Medical Devices
University of Pennsylvania	US	101		Medical Devices
University of Michigan	US	93		Medical Devices
Stanford University	US	90		Medical Devices
Duke University	US	88		Medical Devices

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University of Minnesota	US	85		Medical Devices
Massachusetts Institute of Technology	US	80		Medical Devices
Brigham and Women's Hospital	US	72		Medical Devices
University of North Carolina	US	71		Medical Devices
Roche	Switzerland	351		Pharmaceuticals
University of Jiangnan	China	320		Pharmaceuticals
University of Zhejiang	China	274		Pharmaceuticals
LG Household & Healthcare	S Korea	270		Pharmaceuticals
Foshan Saiwei Pharma Technology	China	266		Pharmaceuticals
University of California	US	235		Pharmaceuticals
Sanofi	France	232		Pharmaceuticals
University of Shanghai Jiaotong	China	225		Pharmaceuticals
CNRS	France	223		Pharmaceuticals
University of Guangxi	China	209		Pharmaceuticals
Tianjin University	China	325	4.97	Pharmaceuticals
Lundbeck Corporation	Denmark	529	3.59	Pharmaceuticals
Gilead Sciences	US	478	3.34	Pharmaceuticals
World Health Organization	EU	316	2.53	Pharmaceuticals
University of Newcastle	UK	450	2.37	Pharmaceuticals
University of the Chinese Academy of Sciences	China	742	2.31	Pharmaceuticals
Howard Hughes Medical Institute	US	477	2.28	Pharmaceuticals
Guy's & St. Thomas' NHS Foundation Trust	UK	762	2.21	Pharmaceuticals
Massachusetts Institute of Technology	US	953	2.17	Pharmaceuticals
Tsinghua University	China	579	2.16	Pharmaceuticals

* Extracted from Disruptive, Game-Changing Innovation: <http://stateofinnovation.com>